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Set Name Query
side by side

Hit Count Set Name
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L17</u>	L16 and (build\$ near5 plans)	19	<u>L17</u>
<u>L16</u>	(cad near5 format\$)	833	<u>L16</u>
<u>L15</u>	L14 and (pars\$ same data)	0	<u>L15</u>
<u>L14</u>	(database\$ and user\$1 and www).ti.	10	<u>L14</u>
<u>L13</u>	(interact\$ and query\$ and www).ti.	1	<u>L13</u>
<u>L12</u>	(build\$ and plan\$1 and www).ti.	0	<u>L12</u>
<u>L11</u>	(cad and www).ti.	0	<u>L11</u>
<u>L10</u>	(cad and www and profil\$).ti,ab.	0	<u>L10</u>
<u>L9</u>	(build\$ and plan\$1 and cad and cam).ti,ab.	2	<u>L9</u>
<u>L8</u>	(interactive near5 profil\$) and (build\$ near5 plans)	1	<u>L8</u>
<u>L7</u>	5148372.pn.	2	<u>L7</u>
<u>L6</u>	5148372.uref.	9	<u>L6</u>
<u>L5</u>	(cad and interactive and profil\$).ti,ab.	2	<u>L5</u>
<u>L4</u>	L3 and (three dimensional)	32	<u>L4</u>
<u>L3</u>	(cad and build\$ and construct\$).ti,ab.	159	<u>L3</u>
<u>L2</u>	(cad and build\$ and artech\$).ti.	0	<u>L2</u>
<u>L1</u>	(interactive and build\$ and construct\$).ti.	9	<u>L1</u>

END OF SEARCH HISTORY

WEST

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Main Menu

Search Form

Posting Counts

Show S Numbers

Edit S Numbers

Preferences

Cases

Search Results -

Term	Documents
PLANS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	15112
PLAN.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	873696
BUILD\$	0
BUILD.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	348983
BUILDARRAY.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
BUILDABIITY.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	2
BUILDABILITY.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	31
BUILDABLE.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	172
BUILDABLE-IN.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
BUILDABLE/UNBUILDABLE.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	6
BUILDABLY.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
(L16 AND (BUILD\$ NEAR5 PLANS)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	19

There are more results than shown above. [Click here to view the entire set.](#)

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L17 and (internet or www)

Refine Search

Recall Text

Clear

Search HistoryDATE: Thursday, May 01, 2003 [Printable Copy](#) [Create Case](#)

WEST Search History

DATE: Thursday, January 02, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
L13	5983010.uref.	1	L13
L12	4885694.uref.	30	L12
L11	(cad and faciliti\$ and design\$).ti.	1	L11
L10	(cad and database\$ and building).ti.	4	L10
L9	5164897.uref.	36	L9
L8	genericCAD	0	L8
L7	versaCAD	3	L7
L6	solidbuilder	0	L6
L5	l4 and solidbuilder	0	L5
L4	(interact\$ and cad and build\$).ti,ab.	19	L4
L3	(interact\$ and three\$diminsion\$ and build\$).ti,ab.	0	L3
L2	(interacti\$ and build\$ and database\$).ti.	4	L2
L1	(interactive and profile and build\$).ti.	1	L1

END OF SEARCH HISTORY

WEST

Generate Collection

Print

Search Results - Record(s) 1 through 1 of 1 returned.☐ 1. Document ID: WO 200213052 A2 AU 200185406 A

L8: Entry 1 of 1

File: DWPI

Feb 14, 2002

DERWENT-ACC-NO: 2002-217239

DERWENT-WEEK: 200244

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Interactively profiling structures such as buildings using interactive profile system with profiling engine to perform system enhancement of plan set in converted format

INVENTOR: ANANIAN, J A; DUGGAN, D J ; MAHOVLIC, S

PRIORITY-DATA: 2000US-0632383 (August 3, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200213052 A2	February 14, 2002	E	041	G06F017/00
AU 200185406 A	February 18, 2002		000	G06F017/00

INT-CL (IPC): G06 F 17/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KAMC	Draw Desc	Clip Img	Image
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Generate Collection

Print

Term	Documents
INTERACTIVE.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	70973
INTERACTIVES.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	15
PLANS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	15112
PLAN.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	873696
PROFIL\$	0
PROFIL.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	616
PROFILA.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	4
PROFILABILITY.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
PROFILABLE.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	14
PROFILABLY.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
((INTERACTIVE NEAR5 PROFIL\$) AND (BUILD\$ NEAR5 PLANS)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	1

There are more results than shown above. [Click here to view the entire set.](#)

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Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: EP 851368 A2 JP 10207913 A

L13: Entry 1 of 1

File: DWPI

Jul 1, 1998

DERWENT-ACC-NO: 1998-335650

DERWENT-WEEK: 199842

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TITLE: Database search carrying apparatus interacting with number of search engines in WWW - uses text entry and/or operator components and single string interpretation of text query formulated using components of graphical user interface

INVENTOR: EDE, M R; GENTER, D R ; HARDEE, M E ; NIELSEN, J ; SAMUELSSON, L

PRIORITY-DATA: 1997US-0785142 (January 13, 1997), 1996US-0780146 (December 26, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 851368 A2	July 1, 1998	E	028	G06F017/30
JP 10207913 A	August 7, 1998		018	G06F017/30

INT-CL (IPC): G06 F 3/14; G06 F 17/30

Full Title Citation Front Review Classification Date Reference Sequences Attachments

GMC Draw Desc Clip Img Image

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Term	Documents
WWW.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	11663
WWWS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	11
INTERACT\$	0
INTERACT.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	126159
INTERACTA.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
INTERACTABILITY.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	13
INTERACTABLE.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	170
"INTERACTABLE.HTML".DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
INTERACTABLY.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	8
INTERACTACT.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	3
((INTERACT\$ AND QUERY\$ AND WWW).TI.).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	1

There are more results than shown above. [Click here to view the entire set.](#)

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 1 of 1 returned.**☐ 1. Document ID: WO 200213052 A2 AU 200185406 A

L1: Entry 1 of 1

File: DWPI

Feb 14, 2002

DERWENT-ACC-NO: 2002-217239

DERWENT-WEEK: 200244

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Interactively profiling structures such as buildings using interactive profile system with profiling engine to perform system enhancement of plan set in converted format

INVENTOR: ANANIAN, J A; DUGGAN, D J ; MAHOVLIC, S

PRIORITY-DATA: 2000US-0632383 (August 3, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200213052 A2	February 14, 2002	E	041	G06F017/00
AU 200185406 A	February 18, 2002		000	G06F017/00

INT-CL (IPC): G06 F 17/00

Full	Title	CLS:1	REF:1	SEQ:1	ATT:1

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Term	Documents
INTERACTIVE.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	12536
INTERACTIVES.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
PROFILE.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	41790
PROFILES.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	11544
BUILD\$	0
BUILD.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	8896
BUILDABLE.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	5
BUILDAXLELIST.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
BUILDBOARD.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
BUILDCELLPOOL.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
((INTERACTIVE AND PROFILE AND BUILD\$).TI.).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	1

[There are more results than shown above. Click here to view the entire set.](#)

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Search Results - Record(s) 1 through 4 of 4 returned.☐ 1. Document ID: US 20020143749 A1

L2: Entry 1 of 4

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143749

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020143749 A1

TITLE: Building software statements such as search queries to a tabular database through a user-interactive computer display interface

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hartel, John Mark	Austin	TX	US	
Lowe, Rob P.	Austin	TX	US	
Macomber, Gary Louis	Hutto	TX	US	
Ragan, Richard Walton JR.	Round Rock	TX	US	

US-CL-CURRENT: 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: JP 2000276396 A

L2: Entry 2 of 4

File: DWPI

Oct 6, 2000

DERWENT-ACC-NO: 2000-668535

DERWENT-WEEK: 200065

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TITLE: Web site build-up system for internet, intranet, performs updation, amendment or deletion of relational database, based on interactive operation with user by graphical user interface

PRIORITY-DATA: 1999JP-0079870 (March 24, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2000276396 A	October 6, 2000		009	G06F012/00

INT-CL (IPC): G06 F 12/00; G06 F 13/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Clip Img	Image
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☐ 3. Document ID: WO 200054185 A1 EP 1212697 A1 AU 200040070 A

L2: Entry 3 of 4

File: DWPI

Sep 14, 2000

DERWENT-ACC-NO: 2001-060397

DERWENT-WEEK: 200239

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TITLE: Database document search for building user defined technical thesaurus,
involves displaying crafted query result obtained by modifying initial query via
user interaction based on which remote database is searched

INVENTOR: KIRKPATRICK, J F; TOOGOOD, K C

PRIORITY-DATA: 1999US-0264299 (March 8, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200054185 A1	September 14, 2000	E	034	G06F017/30
EP 1212697 A1	June 12, 2002	E	000	G06F017/30
AU 200040070 A	September 28, 2000		000	G06F017/30

INT-CL (IPC): G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMCD	Draw Desc	Clip Img	Image
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☐ 4. Document ID: JP 08278881 A

L2: Entry 4 of 4

File: DWPI

Oct 22, 1996

DERWENT-ACC-NO: 1997-008802

DERWENT-WEEK: 199701

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TITLE: Interactive processing system construction support appts. for building
graphical user interface - has program management database that saves interactive
processing program file or internal processing program file to which predetermined
accompanying information is added

PRIORITY-DATA: 1995JP-0081509 (April 6, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 08278881 A	October 22, 1996		018	G06F009/06

INT-CL (IPC): G06 F 9/06

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMCD	Draw Desc	Clip Img	Image
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Search Results - Record(s) 1 through 3 of 3 returned.☐ 1. Document ID: US 5164897 A

L7: Entry 1 of 3

File: USPT

Nov 17, 1992

US-PAT-NO: 5164897

DOCUMENT-IDENTIFIER: US 5164897 A

TITLE: Automated method for selecting personnel matched to job criteria

DATE-ISSUED: November 17, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clark; Neil M.	St. Louis Park	MN		
Crow; Gerald C.	Bloomington	MN		
Mueller; Kent	Zumbrota	MN		
Roloff; Michael	Burnsville	MN		
Henkel; Scott	Bloomington	MN		
Lehtinen; Allan W.	Plymouth	MN		

US-CL-CURRENT: 705/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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None	Draw Desc	Image
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☐ 2. Document ID: US 5063520 A

L7: Entry 2 of 3

File: USPT

Nov 5, 1991

US-PAT-NO: 5063520

DOCUMENT-IDENTIFIER: US 5063520 A

TITLE: Computer aided process for network analysis

DATE-ISSUED: November 5, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klein; Dennis H.	Mill Valley	CA	94941	

US-CL-CURRENT: 703/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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None	Draw Desc	Image
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☐ 3. Document ID: US 4845643 A

L7: Entry 3 of 3

File: USPT

Jul 4, 1989

US-PAT-NO: 4845643

DOCUMENT-IDENTIFIER: US 4845643 A

TITLE: Simplified computer graphics perspectives

DATE-ISSUED: July 4, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clapp; Roy A.	Sioux Falls	SD	57105	

US-CL-CURRENT: 345/427

Full	Title	Citation	Print	Review	Classification	Date	Reference	Sequences	Attachments
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WMO	Draw Desc	Image
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Term	Documents
VERSACAD.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	3
VERSACADS	0
VERSACAD.USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	3
(VERSACAD).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	3

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Search Results - Record(s) 1 through 4 of 4 returned.☐ 1. Document ID: US 20020083076 A1

L10: Entry 1 of 4

File: DWPI

Jun 27, 2002

DERWENT-ACC-NO: 2002-655452

DERWENT-WEEK: 200270

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TITLE: CAD element linking method in designing building construction project,
involves transmitting CAD element data and non-graphical information entered into
graphical user interface, to database through internet

INVENTOR: MARNELL, A A; NICASTRO, C M ; WUCHERER, T A

PRIORITY-DATA: 2001US-0021661 (October 30, 2001), 2000US-244457P (October 30, 2000),
2000US-244485P (October 30, 2000), 2000US-244492P (October 30, 2000), 2000US-244493P
(October 30, 2000), 2000US-246275P (November 6, 2000), 2000US-246276P (November 6,
2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20020083076 A1	June 27, 2002		026	G06F007/00

INT-CL (IPC): G06 F 7/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 2. Document ID: JP 2002041597 A

L10: Entry 2 of 4

File: DWPI

Feb 8, 2002

DERWENT-ACC-NO: 2002-222003

DERWENT-WEEK: 200228

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TITLE: Installation database CAD system for design and construction of building,
extracts drawing object, speck object, estimate object or construction data based on
information sent to original database

PRIORITY-DATA: 2000JP-0223764 (July 25, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2002041597 A	February 8, 2002		026	G06F017/50

INT-CL (IPC): G06 F 17/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Clip Img	Image
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☐ 3. Document ID: JP 2001076018 A

L10: Entry 3 of 4

File: DWPI

Mar 23, 2001

DERWENT-ACC-NO: 2001-311982

DERWENT-WEEK: 200133

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TITLE: Computer aided design system for drawing production of prefab building, has database for design development CAD apparatus, which is a simplified version of database for operation design CAD apparatus

PRIORITY-DATA: 1999JP-0247626 (September 1, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2001076018 A	March 23, 2001		009	G06F017/50

INT-CL (IPC): E04 B 1/00; G06 F 17/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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WORD	Draw Desc	Clip Img	Image
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☐ 4. Document ID: JP 2000010474 A

L10: Entry 4 of 4

File: DWPI

Jan 14, 2000

DERWENT-ACC-NO: 2000-151161

DERWENT-WEEK: 200014

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TITLE: CAD based site survey drawing input system for building layout, etc - includes display unit which display line segment of DXF data on screen along with property line, measurement line, road boundary line which are all registered in database

PRIORITY-DATA: 1998JP-0174720 (June 22, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2000010474 A	January 14, 2000		006	G09B029/00

INT-CL (IPC): G06 F 17/60; G06 T 1/00; G09 B 29/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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WORD	Draw Desc	Clip Img	Image
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Term	Documents
CAD.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	4147
CADS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	7
BUILDING.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	123776
BUILDINGS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	17538
DATABASE\$	0
DATABASE.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	22597
DATABASEAND.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
DATABASEBASED.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	2
DATABASECLIENT.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
DATABASED.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	4
((CAD AND DATABASE\$ AND BUILDING).TI.).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	4

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Search Results - Record(s) 1 through 30 of 30 returned.

☐ 1. Document ID: US 6466834 B1

L12: Entry 1 of 30

File: USPT

Oct 15, 2002

US-PAT-NO: 6466834

DOCUMENT-IDENTIFIER: US 6466834 B1

TITLE: Method and apparatus for conversion of ventilation systems represented in computer-readable form

DATE-ISSUED: October 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Broberg; Bjorn	Torekov			SE

US-CL-CURRENT: 700/105; 700/117, 700/118, 700/276, 700/97, 700/98, 703/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☐ 2. Document ID: US 6452614 B1

L12: Entry 2 of 30

File: USPT

Sep 17, 2002

US-PAT-NO: 6452614

DOCUMENT-IDENTIFIER: US 6452614 B1

TITLE: Organizing a user interface using different personae

DATE-ISSUED: September 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; Neal J.	Oakland	CA		
Sassin; Michael	San Jose	CA		
Jacobi; Eli	Palo Alto	CA		
Dean; Matthew T.	Campbell	CA		

US-CL-CURRENT: 345/775; 345/778, 345/835, 345/853

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☐ 3. Document ID: US 6438922 B1

L12: Entry 3 of 30

File: USPT

Aug 27, 2002

US-PAT-NO: 6438922

DOCUMENT-IDENTIFIER: US 6438922 B1

TITLE: Method of designing a building for maximum compatability with modular forms

DATE-ISSUED: August 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
DeLeFevre; Patrick	Watertown	MA	02172	

US-CL-CURRENT: 52/741.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 4. Document ID: US 6324527 B1

L12: Entry 4 of 30

File: USPT

Nov 27, 2001

US-PAT-NO: 6324527

DOCUMENT-IDENTIFIER: US 6324527 B1

TITLE: Methodology for distinguishing the cost of products in a multiple part number, multiple technology, fully or partially loaded semiconductor fabricator

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bajuk; Stanislav P.	Austin	TX		
Blouin; Cathy L.	Franklin	VT		
Blunt; Gregory A.	Essex Junction	VT		
Boldman; Gary D.	Jericho	VT		
Juba; Robert C.	Manassas	VA		
McAuliffe; Daniel A.	Burlington	VT		
Miller; Peter J.	Essex Junction	VT		
Miraglia; Stephanie A.	Burlington	VT		
Richardson; Thomas C.	Huntington	VT		

US-CL-CURRENT: 705/400; 705/7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 5. Document ID: US 6324508 B1

L12: Entry 5 of 30

File: USPT

Nov 27, 2001

US-PAT-NO: 6324508

DOCUMENT-IDENTIFIER: US 6324508 B1

TITLE: Automated method for a takeoff estimate of construction drawings

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Finney; Samuel W.	Philadelphia	PA		

US-CL-CURRENT: 704/246; 700/236, 704/275

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMG	Draw Desc	Image
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☐ 6. Document ID: US 6249776 B1

L12: Entry 6 of 30

File: USPT

Jun 19, 2001

US-PAT-NO: 6249776

DOCUMENT-IDENTIFIER: US 6249776 B1

TITLE: Methodology for proper weighting of photolithography in the cost of semiconductor products

DATE-ISSUED: June 19, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bajuk; Stanislav P.	Austin	TX		
Blouin; Cathy L.	Franklin	VT		
Blunt; Gregory A.	Essex Junction	VT		
Boldman; Gary D.	Jericho	VT		
Juba; Robert C.	Manasas	VA		
McAuliffe; Daniel A.	Burlington	VT		
Miller; Peter J.	Essex Junction	VT		
Miraglia; Stephanie A.	Burlington	VT		
Richardson; Thomas C.	Huntington	VT		

US-CL-CURRENT: 705/400; 705/7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMG	Draw Desc	Image
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☐ 7. Document ID: US 6243092 B1

L12: Entry 7 of 30

File: USPT

Jun 5, 2001

US-PAT-NO: 6243092

DOCUMENT-IDENTIFIER: US 6243092 B1

TITLE: Transaction flow editing tool

DATE-ISSUED: June 5, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Okita; Glen K.	San Jose	CA		
Agarwal; Suresh K.	Sunnyvale	CA		
Bodie; Margaret K.	Half Moon Bay	CA		
Lin; Fung-Wah	Redwood City	CA		
Chan; Yiu Man	Sunnyvale	CA		
McCalmont; David T.	San Jose	CA		
Blatt; Robert A.	Palo Alto	CA		

US-CL-CURRENT: 345/866; 345/716, 345/965, 345/966, 700/83

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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NAME	Draw Desc	Image
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☐ 8. Document ID: US 6225998 B1

L12: Entry 8 of 30

File: USPT

May 1, 2001

US-PAT-NO: 6225998

DOCUMENT-IDENTIFIER: US 6225998 B1

TITLE: Visual design of workflows for transaction processing

DATE-ISSUED: May 1, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Okita; Glen K.	San Jose	CA		
Agarwal; Suresh K.	Sunnyvale	CA		
Chan; Yiu Man	Sunnyvale	CA		
McCalmont; David T.	San Jose	CA		
Blatt; Robert A.	Palo Alto	CA		

US-CL-CURRENT: 345/853; 707/102, 707/503

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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NAME	Draw Desc	Image
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☐ 9. Document ID: US 6167388 A

L12: Entry 9 of 30

File: USPT

Dec 26, 2000

US-PAT-NO: 6167388

DOCUMENT-IDENTIFIER: US 6167388 A

TITLE: System and method for the selection of heating equipment

DATE-ISSUED: December 26, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ray; Charles E.	Carmel	IN		

US-CL-CURRENT: 705/400; 700/90, 705/29

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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NAME	Draw Desc	Image
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☐ 10. Document ID: US 6131077 A

L12: Entry 10 of 30

File: USPT

Oct 10, 2000

US-PAT-NO: 6131077

DOCUMENT-IDENTIFIER: US 6131077 A

TITLE: Method and apparatus for designing and editing a distribution system for a building

DATE-ISSUED: October 10, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Normann; Linda M.	Glendale Heights	IL		
Hines, III; Charles L.	Hinsdale	IL		
Cox; Gene Michael	Columbus	IN		

US-CL-CURRENT: 703/1; 703/7, 703/9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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WWW	Draw Desc	Image
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☐ 11. Document ID: US 5983010 A

L12: Entry 11 of 30

File: USPT

Nov 9, 1999

US-PAT-NO: 5983010

DOCUMENT-IDENTIFIER: US 5983010 A

TITLE: Method of describing a building structure

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murdock; Jeffrey Earl	Vancouver, British Columbia			CA
Moffat; Peter James	Vancouver, British Columbia			CA

US-CL-CURRENT: 703/6; 703/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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WWW	Draw Desc	Image
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☐ 12. Document ID: US 5950206 A

L12: Entry 12 of 30

File: USPT

Sep 7, 1999

US-PAT-NO: 5950206

DOCUMENT-IDENTIFIER: US 5950206 A

TITLE: Method and apparatus for searching and tracking construction projects in a document information database

DATE-ISSUED: September 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Krause; Gary Matthew	Rochester	MI	48306	

US-CL-CURRENT: 707/104.1; 703/6, 707/5, 707/514

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☐ 13. Document ID: US 5896138 A

L12: Entry 13 of 30

File: USPT

Apr 20, 1999

US-PAT-NO: 5896138

DOCUMENT-IDENTIFIER: US 5896138 A

TITLE: Process control with graphical attribute interface

DATE-ISSUED: April 20, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Riley; Kenneth P.	Round Rock	TX		

US-CL-CURRENT: 345/440

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☐ 14. Document ID: US 5818428 A

L12: Entry 14 of 30

File: USPT

Oct 6, 1998

US-PAT-NO: 5818428

DOCUMENT-IDENTIFIER: US 5818428 A

TITLE: Appliance control system with configurable interface

DATE-ISSUED: October 6, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eisenbrandt; Gerald A.	Lincoln Township	MI		
Bentley; John R.	St. Joseph	MI		

US-CL-CURRENT: 345/173; 345/440.2, 345/866

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☐ 15. Document ID: US 5793632 A

L12: Entry 15 of 30

File: USPT

Aug 11, 1998

US-PAT-NO: 5793632

DOCUMENT-IDENTIFIER: US 5793632 A

TITLE: Cost estimating system using parametric estimating and providing a split of labor and material costs

DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fad; Bruce	Cherry Hill	NJ		
Summers; Roy	Cherry Hill	NJ		
DeMarco; Anthony	Voorhees	NJ		
Geiser; Todd	Mt. Laurel	NJ		
Walter; James	Mt. Laurel	NJ		
Chackman; Ben	Marlton	NJ		
King; Earl	Beavercreek	OH		

US-CL-CURRENT: 705/400; 700/90, 705/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMW	Draw Desc	Image
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☐ 16. Document ID: US 5761674 A

L12: Entry 16 of 30

File: USPT

Jun 2, 1998

US-PAT-NO: 5761674

DOCUMENT-IDENTIFIER: US 5761674 A

TITLE: Integrated construction project information management system

DATE-ISSUED: June 2, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ito; Kenji	Tokyo			JP

US-CL-CURRENT: 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMW	Draw Desc	Image
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☐ 17. Document ID: US 5734889 A

L12: Entry 17 of 30

File: USPT

Mar 31, 1998

US-PAT-NO: 5734889

DOCUMENT-IDENTIFIER: US 5734889 A

TITLE: Method and apparatus for retrieving data and inputting retrieved data to spreadsheet including descriptive sentence input means and natural language interface means

DATE-ISSUED: March 31, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamaguchi; Tomoharu	Tokyo			JP

US-CL-CURRENT: 707/4; 704/9, 707/503, 707/508

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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WMO	Draw Desc	Image
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☐ 18. Document ID: US 5732264 A

L12: Entry 18 of 30

File: USPT

Mar 24, 1998

US-PAT-NO: 5732264

DOCUMENT-IDENTIFIER: US 5732264 A

TITLE: Information management system and method for managing, processing storing and displaying attribute information of object information

DATE-ISSUED: March 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tanaka; Yoshiaki	Neyagawa			JP

US-CL-CURRENT: 707/4; 345/964, 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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WMO	Draw Desc	Image
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☐ 19. Document ID: US 5721959 A

L12: Entry 19 of 30

File: USPT

Feb 24, 1998

US-PAT-NO: 5721959

DOCUMENT-IDENTIFIER: US 5721959 A

TITLE: Information processing apparatus for pattern editing using logic relationship representative patterns

DATE-ISSUED: February 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nakamura; Takashi	Hiratsuka			JP
Kadosawa; Tsuneaki	Kanagawa-ken			JP
Ozawa; Kunitaka	Isehara			JP
Kawai; Tomoaki	Yokohama			JP
Koga; Eiji	Hadano			JP
Ogiwara; Satoshi	Sagamihara			JP

US-CL-CURRENT: 716/11; 345/723, 345/967, 700/103, 706/919

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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WMO	Draw Desc	Image
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☐ 20. Document ID: US 5721691 A

L12: Entry 20 of 30

File: USPT

Feb 24, 1998

US-PAT-NO: 5721691

DOCUMENT-IDENTIFIER: US 5721691 A

TITLE: Reconnaissance and characterization system for limited- or denied-access building and facilities

DATE-ISSUED: February 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wuller; Charles E.	Manhattan Beach	CA		
Gelb; George H.	Rancho Palos Verdes	CA		

US-CL-CURRENT: 703/1; 345/427, 700/98, 701/28, 701/87

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 21. Document ID: US 5668736 A

L12: Entry 21 of 30

File: USPT

Sep 16, 1997

US-PAT-NO: 5668736

DOCUMENT-IDENTIFIER: US 5668736 A

TITLE: Method for designing and illustrating architectural enhancements to existing buildings

DATE-ISSUED: September 16, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Douglas; Edwin S.	Flintridge	CA		
Turner; Daryl V.	Scottsdale Ranch	AZ		

US-CL-CURRENT: 703/1; 434/79

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 22. Document ID: US 5634016 A

L12: Entry 22 of 30

File: USPT

May 27, 1997

US-PAT-NO: 5634016

DOCUMENT-IDENTIFIER: US 5634016 A

TITLE: Event management system

DATE-ISSUED: May 27, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Steadham, Jr.; Charles V.	Micanopy	FL		
Boccabella, Jr.; Daniel D.	Gainesville	FL		
Jones; Bradley C.	Jacksonville	FL		
Fuller; Matthew A.	Gainesville	FL		
Lyons; Jeffrey A.	West Palm Beach	FL		

US-CL-CURRENT: 345/753; 345/848, 705/5, 707/102, 707/517

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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NWIC	Draw Desc	Image
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☐ 23. Document ID: US 5625827 A

L12: Entry 23 of 30

File: USPT

Apr 29, 1997

US-PAT-NO: 5625827

DOCUMENT-IDENTIFIER: US 5625827 A

TITLE: Method and system of blueprint document manipulation

DATE-ISSUED: April 29, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Krause; Gary M.	Lake Orion	MI	48035	
Marrow; Brent E.	Upland	IN		

US-CL-CURRENT: 707/502; 345/964, 702/155, 702/156

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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NWIC	Draw Desc	Image
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☐ 24. Document ID: US 5584016 A

L12: Entry 24 of 30

File: USPT

Dec 10, 1996

US-PAT-NO: 5584016

DOCUMENT-IDENTIFIER: US 5584016 A

TITLE: Waterjet cutting tool interface apparatus and method

DATE-ISSUED: December 10, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Varghese; Thomas	Minneapolis	MN		
Bright; Jason	St. Paul	MN		
Smith; Randall W.	Naperville	IL		

US-CL-CURRENT: 700/97; 345/853, 700/182

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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NWIC	Draw Desc	Image
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☐ 25. Document ID: US 5570292 A

L12: Entry 25 of 30

File: USPT

Oct 29, 1996

US-PAT-NO: 5570292

DOCUMENT-IDENTIFIER: US 5570292 A

TITLE: Integrated method and apparatus for selecting, ordering and manufacturing art

. glass panels

DATE-ISSUED: October 29, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Abraham; Loren	St. Paul	MN		
Pilla; Michael F.	St. Paul	MN		
Bright; Jason	St. Paul	MN		

US-CL-CURRENT: 700/157; 65/29.11, 65/DIG.13, 703/1, 706/904, 706/919

Full Title Citation Front Review Classification Date Reference Sequences Attachments

None Draw Desc Image

☐ 26. Document ID: US 5548698 A

L12: Entry 26 of 30

File: USPT

Aug 20, 1996

US-PAT-NO: 5548698

DOCUMENT-IDENTIFIER: US 5548698 A

TITLE: Rule based parametric design apparatus and method

DATE-ISSUED: August 20, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smith; Randall W.	Naperville	IL		
Bright; Jason	St. Paul	MN		
Varghese; Thomas	Minneapolis	MN		

US-CL-CURRENT: 345/660

Full Title Citation Front Review Classification Date Reference Sequences Attachments

None Draw Desc Image

☐ 27. Document ID: US 5526520 A

L12: Entry 27 of 30

File: USPT

Jun 11, 1996

US-PAT-NO: 5526520

DOCUMENT-IDENTIFIER: US 5526520 A

TITLE: Method to organize and manipulate blueprint documents using hypermedia links from a primary document to recall related secondary documents

DATE-ISSUED: June 11, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Krause; Gary M.	Lake Orion	MI	48035	

US-CL-CURRENT: 707/104.1; 707/512

Full Title Citation Front Review Classification Date Reference Sequences Attachments

None Draw Desc Image

☐ 28. Document ID: US 5485175 A

L12: Entry 28 of 30

File: USPT

Jan 16, 1996

US-PAT-NO: 5485175

DOCUMENT-IDENTIFIER: US 5485175 A

TITLE: Method and apparatus for continuously displaying a hierarchical menu with a permanent stationing setting/clearing icon

DATE-ISSUED: January 16, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Suzuki; Yasuhiro	Inagi			JP

US-CL-CURRENT: 345/841; 345/835, 345/854

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMG	Draw Desc	Image
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☐ 29. Document ID: US 5430837 A

L12: Entry 29 of 30

File: USPT

Jul 4, 1995

US-PAT-NO: 5430837

DOCUMENT-IDENTIFIER: US 5430837 A

TITLE: Mechanism conceptual drawing formation method and apparatus

DATE-ISSUED: July 4, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matsuo; Eiji	Nagaokakyo			JP

US-CL-CURRENT: 707/502; 345/441

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMG	Draw Desc	Image
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☐ 30. Document ID: US 5168441 A

L12: Entry 30 of 30

File: USPT

Dec 1, 1992

US-PAT-NO: 5168441

DOCUMENT-IDENTIFIER: US 5168441 A

TITLE: Methods for set up and programming of machine and process controllers

DATE-ISSUED: December 1, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Onarheim; William G.	Milwaukee	WI		
Dudley; Horace	Hales Corners	WI		
Meyer; Barbara E.	Greendale	WI		
Viste; Michael J.	Grafton	WI		
Morley; David J.	Thousand Oaks	CA		

US-CL-CURRENT: 700/17; 700/87

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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WWW	Print Desc	Image
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Generate Collection

Print

Term	Documents
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4885694S	0
"4885694". UREF. USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	30
(4885694. UREF.) .USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	30

Display Format:

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WEST

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 6272447 B1

L13: Entry 1 of 1

File: USPT

Aug 7, 2001

US-PAT-NO: 6272447

DOCUMENT-IDENTIFIER: US 6272447 B1

TITLE: Fabrication and design of structural members

DATE-ISSUED: August 7, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gavin; Peter Geoffrey	Napier			NZ
Brennan; Peter Robert	Napier			NZ
Ellis; Thomas William	Napier			NZ

US-CL-CURRENT: 703/1; 700/118, 700/97, 700/98, 703/6

Full	Title	Citation	Print	Review	Classification	Date	Reference	Sequences	Attachments
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NAME	Draw Desc	Image
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Generate Collection

Print

Term	Documents
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5983010S	0
"5983010".UREF..USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	1
(5983010.UREF.).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	1

Display Format:

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[Previous Page](#)[Next Page](#)

WEST Search History

DATE: Thursday, May 01, 2003

Set Name Query
side by side

Hit Count Set Name
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

L8	L6 and (material near5 catalog\$1)	1	L8
L7	L6 and (merchant near5 catalog\$1)	0	L7
L6	(building near5 material) same (cost near5 estimat\$)	22	L6
L5	L4 and (cost near5 estimat\$)	0	L5
L4	(merchant and database\$).ti.	21	L4
L3	(merchantand database\$).ti.	0	L3
L2	(builder and merchantand database\$).ti.	0	L2
L1	(building and merchantand database\$).ti.	0	L1

END OF SEARCH HISTORY

WEST

Generate Collection

Print

Search Results - Record(s) 1 through 1 of 1 returned.☐ 1. Document ID: US 6446053 B1

L8: Entry 1 of 1

File: USPT

Sep 3, 2002

US-PAT-NO: 6446053

DOCUMENT-IDENTIFIER: US 6446053 B1

TITLE: Computer-implemented method and system for producing a proposal for a construction project

DATE-ISSUED: September 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Elliott; Michael	Solvang	CA	93464	

US-CL-CURRENT: 705/400; 703/1, 707/104.1

Full	Title	CLS:1	REF:1	SEQ:1	ATT:1

Generate Collection

Print

Term	Documents
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MATERIALS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1843136
CATALOG\$1	0
CATALOG.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	66350
CATALOGA.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	3
CATALOGE.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	51
CATALOGG.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
CATALOGK.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
CATALOGO.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	8
CATALOGP.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	14
CATALOGS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	4511
(L6 AND (MATERIAL NEAR5 CATALOG\$1)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	1

There are more results than shown above. [Click here to view the entire set.](#)

WEST**End of Result Set**

Generate Collection

Print

L8: Entry 1 of 1

File: USPT

Sep. 3, 2002

DOCUMENT-IDENTIFIER: US 6446053 B1

TITLE: Computer-implemented method and system for producing a proposal for a construction project

Brief Summary Text (3):

However, answering these questions is difficult for unsophisticated builders. Forming a clear mental image of the completed project can be difficult, even with detailed blueprints and plans. Large projects such as building a house include many construction phases and require many different types of building materials. Calculating the material quantities and costs can be very complicated. Large projects also require hiring several different types of subcontractors. The associated labor costs are difficult to estimate without experience in working with such contractors. Labor cost estimates introduce additional complexities in that labor rates vary by region and the specialty of the subcontractors. Further, there are costs the inexperienced builder might not consider, such as building permit fees, inspector's fees and builder's risk insurance. In addition since many owners are first time builders, it may be difficult for them to locate and hire the appropriate subcontractors for their project.

Brief Summary Text (6):

Computer applications have been developed for the construction industry that create digital images of potential construction projects and others that generate cost estimates for such projects. A computer application called VisualPhile produced by Visual Applications in North Kansas City, Mo. allows a user to modify an existing digital image of a home by incorporating materials selected from a catalog of digital images into an existing digital image to create an approximation of the completed project. U.S. Pat. No. 5,893,082 to McCormick discloses a material cost estimating computer application for the construction industry. However, these applications are designed for construction professionals who are intimately familiar with the various phases and requirements of a given construction project. Any graphical model or cost estimate model produced by an owner with little or no building experience using these tools would probably be incomplete and hence inaccurate.